



END-OF-ARM TOOLING

TRANSPORTER® MAGVAC

Versatile Magnet/Vacuum Lift Combination



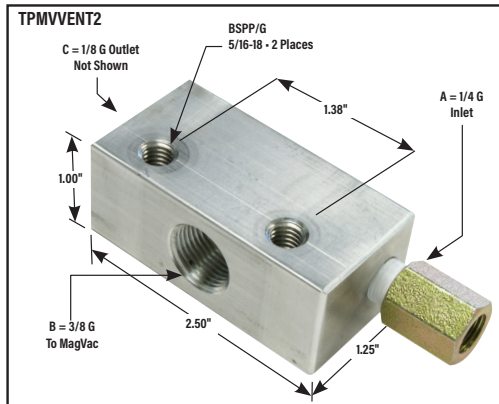
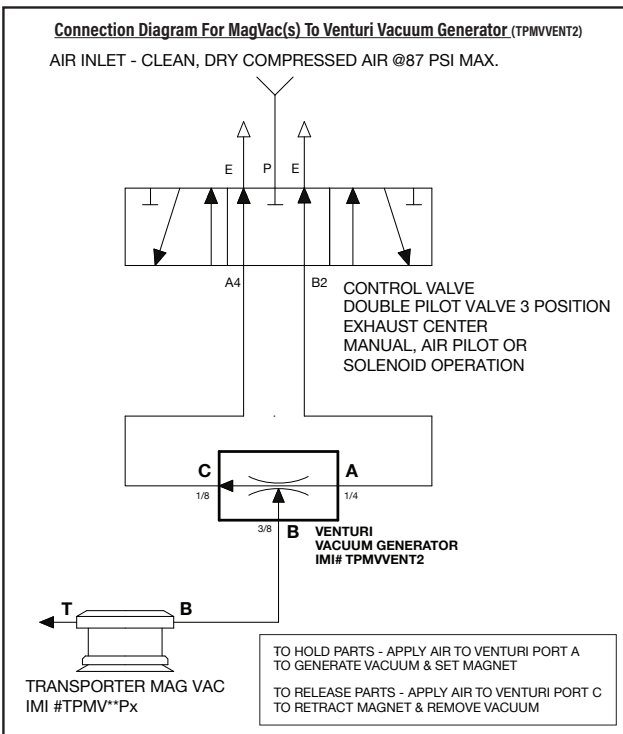
BENEFITS:

- » Powerful magnetic gripper combined with a vacuum cup for powerful holding
- » Lift steel or perforated parts as well as aluminum and stainless steel
- » Perfect for robotized systems, press transfer systems and all sheet metal applications
- » Vacuum pads can be removed for single use as a standard lift magnet on ferrous parts
- » No more replacing vacuum cups every week
- » No dropping parts from loss of air(for ferrous parts), excess mill oil or weld slag
- » Maximum temperature of 176°F (80°C)
- » All suction cup pads are made from Thermo Plastic Poly Urethane / TPU.

Transporter® MagVac Lifts

Part No.	Pad Diameter	Overall Height	Number of Poles	Min. Release Pressure	Mounting Thread	Port Thread	Weight	Max. Number Per TPMVVENT2
TPMV040028	1.5"	2.16"	2	58 psi	M8X10	M5	.22 lbs	6
TPMV070028	2.75"	3.15"	2	58 psi	M10X13	G1/8	.84 lbs	4
TPMV100028	4"	2.48"	4	58 psi	M10X13	G1/8	1.5 lbs	2

WARNING: The maximum operating pressure is 87 psi. Note: Grip time is 1.1 seconds or less at 80 PSI inlet pressure and tubing length of 4 feet between Magnets & Venturi. Release time from 12 gauge steel sheet for multiple magnets controlled by one Venturi is 0.2 seconds.



MagVac Accessories

Part No.	Description
TPMVVENT2	Transporter® MagVac Venturi Vacuum Generator
M35639	1.5" Transporter® MagVac Vacuum Pad
M35657	2.75" Transporter® MagVac Vacuum Pad
M35627	4" Transporter® MagVac Vacuum Pad
M35648	1.5" Transporter® MagVac Cover
M35656	2.75" Transporter® MagVac Cover
M35636	4" Transporter® MagVac Cover



Spare Cover



Spare Pad

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Transporter® MagVac

Versatile Magnet/Vacuum Lift Combination For All Applications

MagVac Results For Holding Value On Different Gauge Metals (Imperial)

Imperial		Holding Value (lbs) Of MAGNET ONLY - No Vacuum Cup						
MagVac Part No.	Size & Options Description	28 ga (0.0149")	26 ga (0.018")	22 ga (0.030")	18 ga (0.0478")	16 ga (0.060")	12 ga (0.100")	3/16" (0.1875")
TPMV040028	1.5" MagVac - 2 Pole Magnet	4.0	4.0	6.0	7.0	7.0	7.0	7.0
TPMV070028	2.75" MagVac - 2 Pole Magnet	9.0	9.0	16.0	27.0	35.0	45.0	45.0
TPMV100028	4" MagVac - 4 Pole Magnet	10.0	11.0	15.0	33.0	35.0	38.0	38.0

Imperial		Holding Value (lbs) Of The MAGNET & VACUUM COMBINATION						
MagVac Part No.	Size & Options Description	28 ga (0.0149")	26 ga (0.018")	22 ga (0.030")	18 ga (0.0478")	16 ga (0.060")	12 ga (0.100")	3/16" (0.1875")
TPMV040028	1.5" MagVac - 2 Pole Magnet	20.0	20.0	22.0	23.0	23.0	23.0	23.0
TPMV070028	2.75" MagVac - 2 Pole Magnet	60.0	60.0	67.0	78.0	86.0	96.0	96.0
TPMV100028	4" MagVac - 4 Pole Magnet	116.0	116.0	121.0	139.0	141.0	144.0	144.0

Imperial		Holding Value (lbs) Of VACUUM ONLY - No Magnet					
MagVac Part No.	Size & Options Description						
TPMV040028	1.5" MagVac - 2 Pole Magnet	16.0					
TPMV070028	2.75" MagVac - 2 Pole Magnet	51.0					
TPMV100028	4" MagVac - 4 Pole Magnet	106.0					

The holding value of the vacuum alone is the same no matter the gauge of the material being lifted or the number of poles in the magnet.

Double Blanks (DO NOT USE FOR DESTACKING)

Does Not Double Blank

NOTE: Lifting capacity listed is NOT derated. Proper system design must include no less than 3/1 safety factor. (Typical systems 3/1 to 6/1).

MagVac Results For Holding Value On Different Gauge Metals (Metric)

Metric		Holding Value (kg) Of MAGNET ONLY - No Vacuum Cup						
MagVac Part No.	Size & Options Description	0.4mm	0.5mm	0.7mm	1.2mm	1.5mm	2.5mm	5mm
TPMV040028	38.1 mm - 2 Pole Magnet	1.8	1.8	2.7	3.1	3.1	3.1	3.1
TPMV070028	69.8 mm - 2 Pole Magnet	4.1	4.1	7.3	12.2	15.9	20.4	20.4
TPMV100028	101.6 mm - 4 Pole Magnet	4.5	5.0	6.8	15.0	15.9	17.2	17.2

Metric		Holding Value (kg) Of The MAGNET & VACUUM COMBINATION						
MagVac Part No.	Size & Options Description	0.4mm	0.5mm	0.7mm	1.2mm	1.5mm	2.5mm	5mm
TPMV040028	38.1 mm - 2 Pole Magnet	9.1	9.1	10.0	10.4	10.4	10.4	10.4
TPMV070028	69.8 mm - 2 Pole Magnet	27.2	27.2	30.4	35.3	39.0	43.5	43.5
TPMV100028	101.6 mm - 4 Pole Magnet	52.5	53.0	54.8	63.0	63.9	65.2	65.2

Metric		Holding Value (kg) Of VACUUM ONLY - No Magnet					
MagVac Part No.	Size & Options Description						
TPMV040028	38.1 mm - 2 Pole Magnet	7.3					
TPMV070028	69.8 mm - 2 Pole Magnet	23.1					
TPMV100028	101.6 mm - 4 Pole Magnet	48.0					

The holding value of the vacuum alone is the same no matter the gauge of the material being lifted or the number of poles in the magnet.

Key Markets

Automotive Tier 1 & 2, Stamping

Related Products

Sheet Fanners, Tube Lifters, Transporters®, Permatrol® Family, Perm-Electro Lifts, PowerLifts®, Creative Lifts®